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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior revisions and listings of claims in the application.

Listing of Claims:

1.-130. (Cancelled)

- 131. (New) A novel combination of additives useful for mixing with phosphate ester based aircraft hydraulic fluids comprising;
 - (a) an acid scavenger comprising an epoxide compound;
 - (b) an anti-erosion additive comprising an alkali metal salt of a perfluoroalkyl sulfonic acid;
 - (c) a viscosity index improver comprising a methacrylate ester polymer at least 95% by weight of the polymer having a molecular weight of between about 50,000 and 1,500,000; and
 - (d) an antioxidant wherein said antioxidant is selected from the group consisting of a hindered phenol and said hindered phenol in combination with an amine compound.
- 132. (New) An additive composition as set forth in claim 131 comprising a 2,4,6-trialkylphenol, a di(alkylphenyl)amine and a hindered polyphenol selected from the group consisting of bis(3,5-dialkyl-4-hydroxyaryl)methane and 1,3,5-trialkyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxyaryl)benzene and mixtures thereof.
- 133. (New) An additive composition as set forth in claim 131 comprising:
 - (a) a viscosity index improver comprising a methacrylate ester polymer, the repeating units of which substantially_comprise butyl and hexyl methacrylate, at least 95% by

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weight of the polymer having a molecular weight of between about 50,000 and about 1,500,000;

(b) an anti-erosion agent comprising an alkali metal salt of a perfluoroalkyl sulfonic acid, the alkyl substituent of which is selected from the group consisting of hexyl, heptyl,

octyl, nonyl, decyl, and mixtures thereof;

(c) an acid scavenger comprising an epoxide compound;

(d) 2,4,6-trialkylphenol

(e) a di(alkylphenyl)amine; and

(f) a hindered polyphenol selected from the group consisting of bis(3,5-dialkyl-4-

hydroxyaryl)methane, 1,3,5-trimethyl-2,4,6-tris(3,5-di-tert-butyl)-4-hydroxyaryl)benzene

and mixtures.

134. (New) A novel combination of additives suitable for use in phosphate ester based aircraft

hydraulic fluids comprising:

(a) a viscosity index improver a viscosity index improver comprising a methacrylate

ester polymer, the repeating units of which substantially comprise butyl and hexyl

methacrylate, at least 95% by weight of the polymer having a molecular weight of

between about 50,000 and about 1,500,000;

(b) an anti-erosion comprising an alkali metal salt of a perfluoroalkylsulfonic acid,

the alkyl substituent of which is selected from the group consisting of hexyl, heptyl,

octyl, nonyl, decyl, and mixtures thereof;

(c) an acid scavenger and selected from the group consisting of a derivative of a 3,4-

epoxy cyclohexane carboxylate and a diepoxide compound corresponding to the formula

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$$Q = \begin{pmatrix} R^4 & R^7 & R^7 \\ R^6 & R^9 & R^8 \end{pmatrix}$$

wherein R³ is an organic group containing 1 to 10 carbon atoms, from 0 to 6 oxygen atoms and from 0 to 6 nitrogen atoms, and R⁴ through R⁹ are independently selected from among hydrogen and aliphatic groups containing 1 to 5 carbon atoms, and mixtures of the 3,4-epoxycyclohexane carboxylate and the diepoxide compound;

- (d) 2,4,6-trialkylphenol,
- (e) a di(alkylphenyl)amine; and
- (f) a hindered polyphenol selected from the group consisting of bis(3,5-dialkyl-4-hydroxyaryl)methane, 1,3,5-trimethyl-2,4,6-tris(3,5-di-tert-butyl-4 -hydroxyaryl)benzene, and mixtures thereof.
- 135. (New) An additive composition as set forth in claim 134 further comprising benzotriazole or a benzotriazole derivative as a copper corrosion inhibitor.
- 136. (New) A composition as set forth in claim 134 further comprising an alkali metal arenate.

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137. (New) A composition of claim 131 further comprising a 4,5-dihydroimidazole compound, the 4,5-dihydroimidazole compound corresponding to the formula

$$\begin{array}{c}
\mathbb{R}^1 \\
\mathbb{N} \\
\mathbb{N}
\end{array}$$

$$\mathbb{R}^2$$

wherein R¹.is selected from the group consisting of hydrogen, alkyl, alkenyl, hydroxyalkyl, hydroxyalkenyl, alkoxyalkyl and alkoxyalkenyl, and R². is selected from the group consisting of alkyl, alkenyl and aliphatic carboxylate.

138. (New) An additive composition as set forth in claim 137 wherein R¹ is hydrogen or lower alkyl and R². is a fatty acid residue.

139. (New) An additive composition as set forth in claim 137 wherein R^1 is hydroxyalkyl and R^2 is alkenyl.

140. (New) An additive composition as set forth in claim 137 wherein the 4,5-dihydroimidazole is selected from the group consisting of 2-(8-heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol and the condensation product of a C_{14} to C_{18} fatty acid and 4,5-dihydro-1H-imidazole.

141. (New) An additive composition as set forth in claim 140 wherein the 4,5-dihydroimidazole compound is the condensation product of a C_{16} to C_{18} fatty acid and 4,5-dihydro-1H-imidazole.

142 (New) An additive composition as set forth in claim 137 wherein the hindered phenol antioxidant comprises a mixture of a hindered phenol and a hindered polyphenol.

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143. Additive composition as set forth in claim 142 wherein the hindered polyphenol comprises a compound selected from the group consisting of bis(3,5-dialkyl-4-hydroxyaryl)methane, 1,3,5-trialkyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxyaryl)benzene, and mixtures thereof.

144. (New) An additive composition as set forth in claim 137 wherein the antioxidant amine compound is a diarylamine.

145. (New) A composition as set forth in claim 144 wherein said diarylamine comprises di(p-octylphenyl)amine.

146. (New) A composition as set forth in claim 144 further comprising 2,6-di-tertiary-butyl p-cresol.

147. (New) A composition as set forth in claim 131 wherein the hindered phenol antioxidant comprises a mixture of a hindered phenol and a hindered polyphenol.

148. (New) A composition as set forth in claim 147 wherein the amine antioxidant is a diarylamine.

149. (New) A composition as a set forth in claim 131 wherein said epoxide acid scavenger is selected from the group consisting of a derivative of a 3,4-epoxy cyclohexane carboxylate and a diepoxide compound corresponding to the formula

$$\bigcap_{\mathbb{R}^5}^{\mathbb{R}^4} \bigcap_{\mathbb{R}^6 \ \mathbb{R}^9}^{\mathbb{R}^7} \bigcap_{\mathbb{R}^6 \ \mathbb{R}^9}^{\mathbb{R}^7}$$

wherein R³ is an organic group containing 1 to 10 carbon atoms, from 0 to 6 oxygen atoms and from 0 to 6 nitrogen atoms, and R⁴ through R⁹ are independently selected from among hydrogen

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and aliphatic groups containing 1 to 5 carbon atoms, and mixtures of the 3,4-epoxycyclohexane carboxylate and the diepoxide compound.

150. (New) A fluid composition as set forth in claim 133 wherein said epoxide acid scavenger is selected from the group consisting of a derivative of a 3,4-epoxy cyclohexane carboxylate and a diepoxide compound corresponding to the formula

$$Q = \begin{pmatrix} R^4 & R^5 & R^5 \\ R^6 & R^9 & R^8 \end{pmatrix}$$

wherein R³ is an organic group containing 1 to 10 carbon atoms, from 0 to 6 oxygen atoms and from 0 to 6 nitrogen atoms, and R⁴ through R⁹ are independently selected from among hydrogen and aliphatic groups containing 1 to 5 carbon atoms, and mixtures of the 3,4-epoxycyclohexane carboxylate and the diepoxide compound.

151. (New) A composition as set forth in claim 137 wherein said epoxide acid scavenger is selected from the group consisting of a derivative of a 3,4-epoxy cyclohexane carboxylate and a diepoxide compound corresponding to the formula

$$\bigcap_{\mathbb{R}^3}^{\mathbb{R}^4} \bigcap_{\mathbb{R}^6 \ \mathbb{R}^9}^{\mathbb{R}^7} \bigcap_{\mathbb{R}^9}$$

wherein R³ is an organic group containing 1 to 10 carbon atoms, from 0 to 6 oxygen atoms and

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from 0 to 6 nitrogen atoms, and R⁴ through R⁹ are independently selected from among hydrogen and aliphatic groups containing 1 to 5 carbon atoms, and mixtures of the 3,4-epoxycyclohexane carboxylate and the diepoxide compound.

152. (New) A composition as set forth in of claims 131 or 115, wherein in the anti-erosion additive comprising an alkali metal salt of a perfluoroalkyl sulfonic acid the alkyl substituent comprises from 5 to 12 carbon atoms.

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